

LOCUS AY299512 1749 bp DNA linear PLN  
 08-DEC-2004  
 DEFINITION *Candida tropicalis* GUP1-like protein (GUP1) gene,  
 complete cds.  
 ACCESSION AY299512  
 VERSION AY299512.1 GI:33358355  
 KEYWORDS .  
 SOURCE *Candida tropicalis*  
 ORGANISM [Candida tropicalis](#)  
 Eukaryota; Fungi; Ascomycota; Saccharomycotina;  
 Saccharomycetes;  
 Saccharomycetales; mitosporic Saccharomycetales;  
 Candida.  
 REFERENCE 1 (bases 1 to 1749)  
 AUTHORS Neves,L., Oliveira,R. and Lucas,C.  
 TITLE Yeast orthologues associated with glycerol transport  
 and metabolism  
 JOURNAL FEMS Yeast Res. 5 (1), 51-62 (2004)  
 PUBMED [15381122](#)  
 REFERENCE 2 (bases 1 to 1749)  
 AUTHORS Neves,L., Oliveira,R. and Lucas,C.  
 TITLE Direct Submission  
 JOURNAL Submitted (15-MAY-2003) Biologia, Universidade  
 do Minho, Campus de  
 Gualtar, Braga 4710-057, Portugal  
 FEATURES Location/Qualifiers  
 source 1..1749  
 /organism="Candida tropicalis"  
 /mol\_type="genomic DNA"  
 /strain="IGC3097"  
 /db\_xref="taxon:[5482](#)"  
[gene](#) <1..>1749  
 /gene="GUP1"  
 /note="CtGUP1"

mRNA <1..>1749

/gene="GUP1"

/product="GUP1-like protein"

CDS 1..1749

/gene="GUP1"

/note="similar to *Saccharomyces cerevisiae* glycerol transport-related protein GUP1; complements gup1

deletion

in *Saccharomyces cerevisiae*"

/codon\_start=1

/evidence=not\_experimental

/transl\_table=12

/product="GUP1-like protein"

/protein\_id="AAQ16649.1"

/db\_xref="GI:33358356"

/translation="MVIPRYHLIPTNCILSYHIKMSYLTDLKLFSLET  
LDTRLYPSS

NTAKKQSIKQANPKSRWSTIEFKFYLVFLIIVPLMFKAGM  
ESANENNPYPKYEHL

LSNGWIFGRKVDNSDQQYRFFRNNFPLLCLLIIHVGLRRVI  
NRIIPLSSKRTYFDFI

FGIIFLIGAHGVNVLKLSIHLLINYLIGKYIKNYKLSLWITWI  
YGISSLFFNEWYGNV

TLGLSFLSTGYTGIIPRWDVFYNFTLLRMISFNFDYLERQQK  
LNNMTLPKEESNGSLL

NLDDRERLTAPLPIEDYNIFNYISYLTYTPLFIAGPILTFNDYI  
YQSNEYQQSSSTKDY

HRIMMYLIRFIFCLLTLEFILHFMYVVAASKTKSWEGNLPFQ

ISMLGMFNLNIIWLKL

LIPWRLFRLWSLLDGIDPPENMIRCMDNNFSALAFWRAWH  
RSYNRWIIRYIYLPMGGG

GKYRILNSLLVFSFVAIWHDIELKLLMWGWL VVLFLIPEISV  
TMIFKKYRNQWWYRHL

CGVGAVINIWMMMIANLVGFCLGTDGMWKLLHDLFKTFD  
GVRFLIISGALFVGAQIM  
FEIRESEMRKGINVRC"

**misc\_feature** 61

/gene="GUP1"

/note="possible alternate site of translation initiation"

/evidence=not\_experimental

**misc\_feature** 241

/gene="GUP1"

/note="possible alternate site of translation initiation"

/evidence=not\_experimental

ORIGIN

1 atggtgatac ccagatatca tctaaccga accaattgca tacttctgta  
ccatattaag

61 atgtcatatc ttacggatat actaaaacta ttttcattag agacattaga  
tacaagatta

121 tatccaagtt caaatacagc taagaaacaa tcaataatca aacaagcaaa  
tccaaaatca

181 agatgggtcaa caatagaatt caaatattat tatcttgat tttaataat  
tgtaccatta

241 atgtttaaag caggtatgga atcagcaaat gaaaataatc caaattatcc  
taaataatgaa

301 cattatttaa gtaatggatg gatatttggg agaaaagttg ataattctga  
tcaacaatat

361 cgatttttca gaaacaattt ccctttatta tgtctcttaa ttattattca tgttgacta

421 agaagagtta tcaataggat aataccatta agtagtaaga gaacttatt  
tgattttata

481 tttggaataa ttttcttaat tggggctcat ggggttaatg ttttaaatt  
atcaattcat  
541 ttattgataa attatttaatt tgggaaatat attaaaaatt ataaactttc  
attatggata  
601 acttgatata atggaatttc ttcattattt ttcaatgaat ggtatggaaa  
ttatacttta  
661 ggattaagtt tttatcaac aggatatact ggtataattc caagatggga  
tgttttttat  
721 aattttactt tacttcgtat gatttcattt aattttgatt atcttgaaag  
acaacaaaaa  
781 ttgaataata tgacattacc aaaagaagaa tcgaacgggt cattattaaa  
tttagatgat  
841 cgtgaaagat taacggcacc attaccaatt gaagattaca atattttcaa  
ttatatatca  
901 tatcttacat atactccatt atttattgct gggccaatat taacttttaa tgattatatt  
961 tatcagtc aaattcaaca atcatcatca acaaaagact atcatcgaat  
aatgatgat  
1021 ttaattcgat ttatattttg ttattaaca ttagaattca ttcttcattt catgtatgtt  
1081 gttgcagctt caaaaacaaa atcatgggaa ggcaatttgc catttcaaat  
atcaatgttg  
1141 ggaatgttta atttaaatat aatttggtta aaattattaa ttccttggag  
attatttaga  
1201 ttatggtctt tattagatgg tattgatcca ccagaaaata tgattcgttg  
tatggataat  
1261 aattttctcag cttagcatt ttggagagca tggcatagat cttataatcg  
ttggataatt  
1321 agatataatct atcttccaat ggggtggtgga ggaaaatata gaattttgaa  
tagtttattg  
1381 gtgttcagtt ttgttgctat ttggcatgat attgaattaa aattattaat  
gtgggggttg  
1441 ttagttgtat tgtttttgat tcctgaaatt tcagtaacaa tgatatttaa  
gaaatatcgt  
1501 aatcaatggg ggtatagaca tttatgtggg gttggtgcag tcattaatat  
ttggatgatg  
1561 atgattgcta atttagttgg gttttgttta ggtactgatg gaatgtggaa

attattacat

1621 gatttattta aaacttttga tggagtaagg tttcttataa tatcatcagg  
tgcattattt

1681 gttggtgctc aaatcatggt tgaaattaga gaatcagaaa tgagaaaagg  
cattaatgta

1741 agatgttga